

June 16, 2019

To the FCC: Respectfully, you must do better for Americans. You are charged with protecting the health, privacy, safety and security of the American people, not the telecommunications industry. 5G technology has not been proven safe. It should not be rolled out anywhere until long-term studies have been conducted by independent scientists. These small cells should not be allowed on private property or in the public rights-of-way. [The answer is wired fiber optics all the way to the premises](#). It is faster, safer and more secure.

Please look below at what I and many Americans know are the facts about the FCC and other governmental agencies.

1) The **FDA** ordered the National Institutes of Health which houses the U.S. National Toxicology Program to conduct a study on 2G and 3G cell phones. It was a premier 10-year \$30 million study and the results were revealed just last November: CLEAR EVIDENCE of CANCER, DNA breakage and fetal effects. So do not rollout 5G across the country until 5G has been proven safe for humans and the environment by independent scientists/medical experts who understand human biology and the environment. There are no independent scientific studies proving 5G is safe. If 2G/3G causes harm, why are you not requiring that 4G and 5G be tested before unleashing the technology right inside our neighborhoods?

2) The U.S. also partially funded a study by the Ramazzini Institute on cell tower radiation **at exposures lower than our current FCC limits**. The results showed cancer from cell towers. Those study results were also shared last year.

3) The **FCC** has no health experts on staff so can't conduct due diligence on safety of wireless technology. Current radiation exposure limits (guidelines, not even safety standards) were set in the 1990s before we had Wi-Fi and cell towers. They were set by telecom industry engineers, not medical experts who understand human biology. Scientists, doctors, the American Academy of Pediatrics and members of Congress (including Blumenthal, Eshoo, DeFazio, Kim and Suozzi), have asked the FCC to update radiation exposure guidelines (which only protect from burning of skin) not biological harm like cancer, DNA damage, reproductive harm, etc. to take into account children, pregnant women, the elderly and those with implanted medical devices. The U.S. Government Accountability Office also made the same request of the FCC in 2012. Why is the FCC ignoring all of these requests?

Thousands of independent scientific studies prove harm from wireless radiation and exposure levels much lower than FCC guidelines. We are using more wireless technology than ever before and people are sicker than ever before.

It's very suspect that the FCC is run by former telecom reps and the head of the FCC is a former Verizon attorney. A Harvard report from 2015 describes the FCC as the most captured agency

in D.C. Captured by the industry it should be regulating.

[https://ethics.harvard.edu/files/center-for-ethics/files/capturedagency\\_alster.pdf](https://ethics.harvard.edu/files/center-for-ethics/files/capturedagency_alster.pdf)

<https://ehtrust.org/policy/fcc-safety-standards/>

4) The International Agency for Research on Cancer (IARC) is a branch of the **World Health Organization** (WHO) and in 2011 classified RF radiation from wireless devices/technology as a Group 2B possible carcinogen, the same class as lead and other toxic chemicals. Again that was 8 years ago before the above 2 premier studies. Longtime WHO, Anthony B. Miller, M.D., and other experts, confirm radiofrequency (RF) radiation from any source now fully meets the World Health Organization criteria to be classified as a “Group 1 carcinogenic to humans” agent and released recommendations to reassess as a “high priority” the cancer risks of radiofrequency (RF) radiation between 2020–2024.

<https://www.sciencedirect.com/science/article/pii/S0013935118303475?via%3Dihub>

5) The **American Cancer Society** is a charity that doesn't rate well with Charity Watch and if you look at its board and donors you will see a heavy presence by the telecom industry. They also say that “more studies are needed.” And, if cell phones and wireless devices were perfectly safe, why are they offering safety tips on their website to limit exposure (use speakerphone, etc.)? From ACS website: *“Cell phones and cell phone towers use RF radiation to transmit and receive signals. Some concerns have been raised that these signals might increase the risk of cancer, and research in this area continues.”* Again, this is from the Big Tobacco playbook. Creating doubt in Americans’ minds.

#### **PLEASE STOP THE 5G ROLLOUT TO PREVENT:**

1. Harmful health impacts which will be extremely costly to the all levels of government.
2. Loss of local control and the right to defend constituents from Big Telecom greed. (Partial remedy proposed by Anna Eshoo HR 530 **supported by many members of Congress**).
3. An economic boondoggle. Constituents are not asking for the Smart Highways, Smart Cities, Smart Appliances, Smart Gadgets and the Internet of Things. This is a huge industry heist.
4. Privacy and security breaches.
5. Increased energy use.
6. Decreased reliability of the communications system as a whole.
7. Unsightly and hazardous aesthetic blight and clutter in our neighborhoods.
8. Property devaluation due to landowners’ concerns re health, environment, and aesthetics.
9. Increased harm to bees, butterflies, birds, wildlife and trees.
10. Danger to workers unaware they are working unaware they were working near transmitting cell antennas. 5G will increase risk to utility workers, HVAC workers, window washers, and tree trimmers.
11. Less equality in internet access than wired systems can provide (no rural revolution).

12. Slower internet speeds than wireline cable or fiber optic to the premises.
13. Exorbitant expenses for cities.
14. Increased behavioral addiction to devices, especially among children, orchestrated by Big Telecom, with adverse societal consequences like increased lack of social skills, anxiety, depression and other neuropsychiatric effects impacting America's future workforce.

## **ADDITIONAL RESOURCES**

1. Dr. Sharon Goldberg Testimony in opposition to 5G.
2. Dr. Martin Pall's presentation to the National Institutes of Health. "The 5G rollout is absolutely insane!" <https://www.youtube.com/watch?v=lulKq3FMGGs>
3. Dr. Devra Davis, Ph.D. expert letter to Governor Evers.
4. 5G FACT SHEET by Environmental Health Trust.
5. A guide with POLICY RECOMMENDATIONS prepared by Fmr. Michigan Senator, Patrick Colbeck.
6. Physicians For Safe Technology executive summary on wireless technology and public health.
7. "Re-Inventing Wires: The Future of Landlines and Networks" details why the U.S. and our communities should instead invest in hard-wired telecommunications infrastructure to support economic growth, bridge the digital divide and diminish risks to security, privacy, public health and the environment.

Sincerely,

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